Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/24/2021 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123757	-1	3.42	123729	3.41
Blue	F	SSC	125000	124202	-1	3.93	124810	3.97
Blue	E	FITC	14284	13692	-5	4.18	381	14.55
Blue	D	PE	23919	23194	-4	3.88	550	11.23
Blue	B	PerCP-Cy5-5	31332	30287	-4	4.60	865	15.76
Blue	A	PE-Cy7	22272	21685	-3	6.38	450	32.68
Red	C	APC	47768	47251	-2	2.75	1623	11.89
Red	A	APC-Cy7	25313	24386	-4	3.30	688	12.56
Violet	B	V450	7085	6818	-4	4.13	477	11.55
Violet	A	V500	26969	26097	-4	3.70	897	8.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23444	4.81	592	3	N/A	N/A	Pass
Blue	F	SSC	55244	3.66	527	6	N/A	N/A	Pass
Blue	E	FITC	57	55.60	498	-3	0.0383	41	Pass
Blue	D	PE	106	42.07	495	-2	0.4554	428	Pass
Blue	B	PerCP-Cy5-5	133	44.64	585	-3	0.0188	104	Pass
Blue	A	PE-Cy7	74	85.53	632	-3	0.0198	3	Pass
Red	C	APC	339	26.51	580	0	0.0258	145	Pass
Red	A	APC-Cy7	126	36.34	552	-3	0.0062	1509	Pass
Violet	B	V450	79	46.21	457	-6	0.0522	1846	Pass
Violet	A	V500	105	30.52	468	-6	0.0218	516	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.59	-31.25	1.03
Blue	20.35	16.28 - 24.42	1.30	1.02 - 1.52	0.00	0.00	1.44
Red	13.97	13.60 - 20.40	N/A	N/A	29.69	29.95	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 13618

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments